

Standard DooCell Components

- Doosan Smart Touchscreen HMI Automation Cell Controller
- FANUC 6-axis robot with Model B controller
- Robot mounting plate
- Design of end-of-arm-tooling with 2- or 3-jaw chucks
- Seamless FANUC-to-FANUC machine tool interface
- Required FANUC software options, material handling software, collision guard
- Part staging tables with safety fencing
- Pneumatic autodoor
- Standard configuration: 2 tables for mounting parts locator fixtures
- Factory setup and initial programming



DooCell®

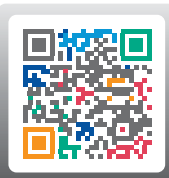
Robotic Machining Cell



Doosan Infracore
Machine Tools

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All specifications and information provided subject to change without notice.

DooCell®

Robotic Machining Cell

The ultimate in simple installation and operation, reliability, repeatability, flexibility, and productivity



Reliable

Never sick
Always available for work

Repeatable

Does exactly what it has been programmed to do
Never forgets what it was taught
Always works at the same pace

Flexible

Can run one or two machines — Any combination of lathes/mills
Stock — Rectangular, square, round, or bar
Choice of parts staging — shelf system (with or without conveyors), or drawer system
Can accommodate parts to 5, 10, or 25 pounds
Can wash, dry, deburr, measure, or mark parts
Op 10 and 20 capable
Optional part turnover

Productive

Works through lunches, breaks, shift changes, nights, and weekends
Standard touch screen HMI with simple commands for ease of operation

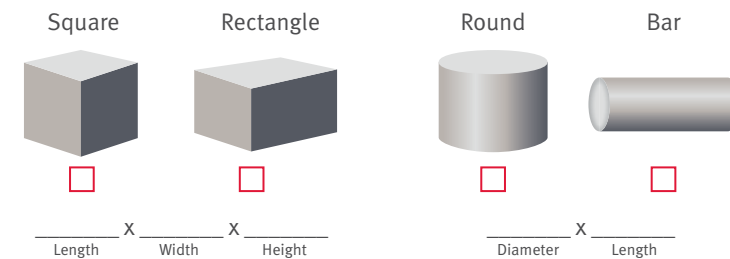
Cost-Effective

Never needs a pay raise
Require no health insurance or other fringe benefits

Configure a DooCell to your specific needs

1

Part blank geometry (choose one)



2

Part blank weight

- ☐ Up to 5 pounds (\$)
- ☐ Up to 12 pounds (\$\$)
- ☐ Up to 25 pounds (\$\$\$)



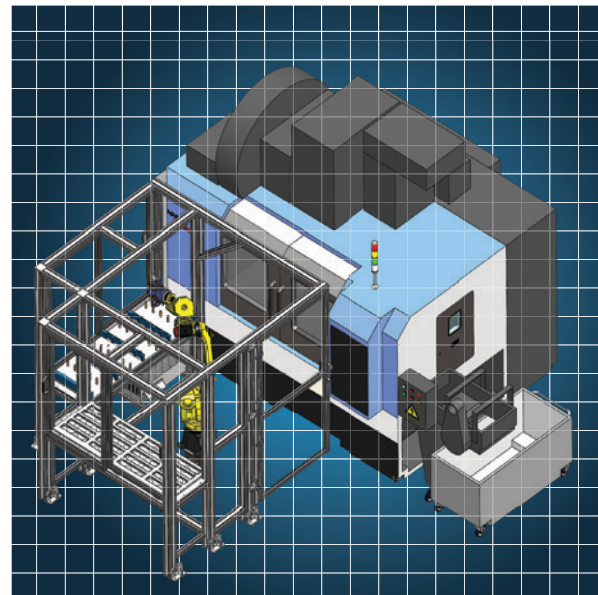
3

Current workholding

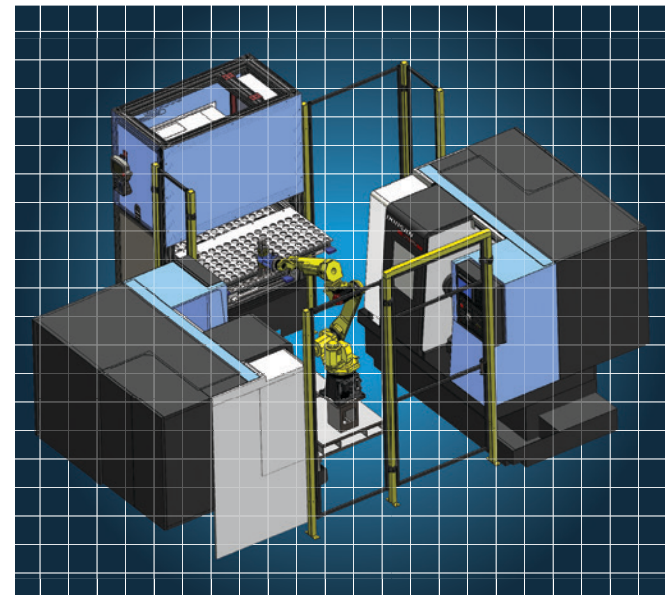
- ☐ Chuck
- ☐ Vise

4

Machining operations



Robot feeding one machine ☐ Turning ☐ Milling



☐ Robot feeding two machines (any combination)

5

Current part cycle times

- ☐ Op 10
- ☐ Op 20
- ☐ New part _____

Exclusive smart touchscreen HMI cell controller

A simple, easy-to-use touchscreen, the Doosan HMI Cell Controller allows real-time monitoring and control of both the machine and robot. And because the controls for both the machine and robot are manufactured by FANUC, they work together flawlessly.

Doosan's smart touchscreen HMI Cell Controller:

- Dramatically simplifies setup, operation, cell monitoring, and error recovery
- Shortens operator learning curve
- Simple, one-touch error recovery gets you back machining in only 5 minutes (compared to 1 hour or more with other cells/controls)

HMI cell controller standard features

Single machine control

- Machine/robot communications
- Machine status
- Error recovery screen (factory setup required)
- Robot program selection
- Robot program status
- Robot gripper status
- iR Vision setup tools (optional)

Two machine control includes all the features of the single machine control plus:

- Multiple machine interface
- Remote CNC program upload/download
- Remote CNC program editing
- Remote offset capability
- Tool life management reset

